



```

: TITLE OF INVENTION: DNA Expression Systems Based on
: TITLE OF INVENTION: Alphaviruses
: NUMBER OF SEQUENCES: 27
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Birch, Stewart, Kolasch & Birch
: STREET: P.O. Box 747
: CITY: Falls Church
: STATE: Virginia
: COUNTRY: USA
: ZIP: 22040-0747
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentin Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/07/920,281C
: FILING DATE: 13-AUG-1992
: CLASSIFICATION: 435
: ATTORNEY/AGENT INFORMATION:
: NAME: Murphy Jr., Gerald M.
: REGISTRATION NUMBER: 28,977
: REFERENCE/DOCKET NUMBER: 828-103P
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 703-241-1300
: TELEFAX: 703-241-2848
: TELEX: 248345
: INFORMATION FOR SEQ ID NO: 1:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 11517 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: RNA (genomic)
: HYPOTHETICAL: NO
: ANTI-SENSE: NO
: ORIGINAL SOURCE:
: ORGANISM: Semliki Forest Virus
: FEATURE:
: NAME/KEY: -
: LOCATION: 1..11517
: OTHER INFORMATION: /label= genome
: OTHER INFORMATION: /note= "Semliki Forest Virus complete nucleotide
: OTHER INFORMATION: sequence, presented as a cloned DNA sequence; see
: FEATURE:
: NAME/KEY: CDS
: LOCATION: 87..7379
: OTHER INFORMATION: /product= "sfv polyprotein"
: FEATURE:
: NAME/KEY: CDS
: LOCATION: 7421..11179
: OTHER INFORMATION: /product= "sfv polyprotein"
: OTHER INFORMATION: /product= "sfv polyprotein"
: US-07-920-281C-1

alignment_scores:
  Quality: 46.00      Length: 14
  Ratio: 3.538      Gaps: 0
  Percent Similarity: 92.857      Percent Identity: 50.000

alignment_block:
  US-08-978-217-12 x US-07-920-281C-1  ..
  Align seg 1/1 to: US-07-920-281C-1 from: 1 to: 11517

3 SetSeqIyTrrpysglugluValleuglnSerArgasn 16
: : : : : : : : : : : : : : : : : : : : : : : : : :
675 GCCACAAACTGGCCGACGACGACGAGTGTACAGGCCGACGAAAC 716

seq_name: /cgn2_6/plodata/2/lna/6B_COMB.seq:US-08-466-277-1
seq_documentation_block:

```

```

: Sequence 1, Application US/08466277
: Patent No. 6190666
: GENERAL INFORMATION:
: APPLICANT: Garoff, Henrik
: TITLE OF INVENTION: DNA Expression Systems Based on
: ADDRESSEE: Birch, Stewart, Kolasch & Birch
: STREET: P.O. Box 747
: CITY: Falls Church
: STATE: Virginia
: COUNTRY: USA
: ZIP: 22040-0747
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentin Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/466,277
: FILING DATE: 06-Jun-1995
: CLASSIFICATION: <Unknown>
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 07/920,281
: FILING DATE: <Unknown>
: ATTORNEY/AGENT INFORMATION:
: NAME: Murphy Jr., Gerald M.
: REGISTRATION NUMBER: 28,977
: REFERENCE/DOCKET NUMBER: 828-103P
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 703-241-1300
: TELEFAX: 703-241-2848
: TELEX: 248345
: INFORMATION FOR SEQ ID NO: 1:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 11517 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: RNA (genomic)
: HYPOTHETICAL: NO
: ANTI-SENSE: NO
: ORIGINAL SOURCE:
: ORGANISM: Semliki Forest Virus
: FEATURE:
: NAME/KEY: -
: LOCATION: 1..11517
: OTHER INFORMATION: /label= genome
: OTHER INFORMATION: /note= "Semliki Forest Virus complete nucleotide
: OTHER INFORMATION: sequence, presented as a cloned DNA sequence; see
: FEATURE:
: NAME/KEY: CDS
: LOCATION: 87..7379
: OTHER INFORMATION: /product= "sfv polyprotein"
: FEATURE:
: NAME/KEY: CDS
: LOCATION: 7421..11179
: OTHER INFORMATION: /product= "sfv polyprotein"
: OTHER INFORMATION: /product= "sfv polyprotein"
: US-08-466-277-1

alignment_scores:
  Quality: 46.00      Length: 14
  Ratio: 3.538      Gaps: 0
  Percent Similarity: 92.857      Percent Identity: 50.000

alignment_block:
  US-08-978-217-12 x US-08-466-277-1  ..

```

ADDRESSEE: CIBA-Geigy Corp.

```

US-08-978-217-12 x US-08-496-944-1  ..
Align seg 1/1  to: US-08-496-944-1  from: 1  to: 8543

1 LysAsnSerSerClyTrpLysGluGluValLeuGlnSerArgAsn 16
:::|||||:|||||:|||||:|||||:|||||:
3209 CGUAAUCAAAGUGGCGCGCAACAAUCAAACAAACAGCAAGAU 3256

seq_name: /cgn2_6/p/ctdata/2/1na/5B_COMP.seq:US-08-537-400-15

seq_documentation_block:
  Sequence 15, Application US/08537400
  Patent No. 5939301
  GENERAL INFORMATION:
  APPLICANT:
  TITLE OF INVENTION: Cloned DNA Polymerases From Thermotoga
  TITLE OF INVENTION: neopolitana And Mutants Thereof
  NUMBER OF SEQUENCES: 37
  CORRESPONDENCE ADDRESS:
  ADDRESS: STRNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
  STREET: 1100 New York Avenue, N.W., Suite 600
  CITY: Washington
  STATE: DC
  COUNTRY: USA
  ZIP: 20005
  COMPUTER READABLE FORM:
  MEDIUM TYPE: Floppy disk
  COMPUTER: IBM PC compatible
  OPERATING SYSTEM: PC-DOS/MS-DOS
  SOFTWARE: PatentIn Release #1.0, Version #1.30
  CURRENT APPLICATION DATA:
  APPLICATION NUMBER: US/08/537,400
  FILING DATE: 02-OCT-1995
  CLASSIFICATION: 435
  PRIOR APPLICATION DATA:
  APPLICATION NUMBER: US 08/316,423
  FILING DATE: 30-SEP-1994
  PRIOR APPLICATION DATA:
  APPLICATION NUMBER: US 08/370,190
  FILING DATE: 09-JAN-1995
  ATTORNEY/AGENT INFORMATION:
  NAME: Esmond, Robert W.
  REGISTRATION NUMBER: 32,893
  REFERENCE/DOCKET NUMBER: 0942.2800002
  TELECOMMUNICATION INFORMATION:
  TELEPHONE: 202-371-2600
  TELEFAX: 202-371-2540
  INFORMATION FOR SEQ ID NO: 15:
  SEQUENCE CHARACTERISTICS:
  LENGTH: 694 base pairs
  TYPE: nucleic acid
  STRANDEDNESS: double
  TOPOLOGY: both
  FEATURE:
  NAME/KEY: CDS
  LOCATION: 2..694
  US-08-537-400-15

alignment_scores:
  Quality: 42.00  Length: 12
  Ratio: 3.818  Gaps: 0
  Percent Similarity: 91.667  Percent Identity: 50.000

alignment_block:
US-08-978-217-12 x US-08-537-400-15  ..
Align seg 1/1  to: US-08-537-400-15  from: 1  to: 694

1 LysAsnSerSerClyTrpLysGluGluValLeu 12
:::|||||:|||||:|||||:|||||:|||||
169 AGAATGCGACGGGTGGAAAGATGCTGAACCTTCTC 204

```



## alignment\_block:

US-08-978-217-12 x US-08-706-706-17 ..

Align seg 1/1 to: US-08-706-706-17 from: 1 to: 694

```
1 LysAsnSerSerGlyTrpLysGluGluValLeu 12
:::|||||:|||||:|||||:|||||:|||||
169 AGAATGCGACGGCTGTGAAAGATGTGAACCTCTC 204
```

seq\_name: /cgn2\_6/ptodata/2/lna/6A\_COMB.seq:US-08-484-661A-38

## seq\_documentation\_block:

; Sequence 38, Application US/08484661A

; Patent No. 6001645

; GENERAL INFORMATION:

; APPLICANT: SLATER, MICHAEL R.

; APPLICANT: HARTNETT, JAMES R.

; APPLICANT: HUANG, FEN

; APPLICANT: BOLCHAKOVA, ELENA

; TITLE OF INVENTION: MODIFIED THERMOPHILIC DNA POLYMERASES

; TITLE OF INVENTION: FROM THERMOTOGA NEAPOLITANA

; NUMBER OF SEQUENCES: 51

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: MEDLEN &amp; CARROLL

; STREET: 220 MONTGOMERY STREET, SUITE 2200

; CITY: SAN FRANCISCO

; STATE: CALIFORNIA

; COUNTRY: UNITED STATES OF AMERICA

; ZIP: 94104

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/484,661A

; FILING DATE: 07-JUN-1995

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: INGOLIA, DIANE E.

; REGISTRATION NUMBER: 40,027

; REFERENCE/DOCKET NUMBER: PRMG-01175

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (415) 705-8410

; TELEFAX: (415) 397-8338

; INFORMATION FOR SEQ ID NO: 38:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1485 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLOGY: linear

; MOLECULE TYPE: DNA (genomic)

; FEATURE:

; NAME/KEY: CDS

; LOCATION: 1..1482

US-08-484-661A-38

## alignment\_scores:

Quality: 42.00 Length: 12

Ratio: 3.818 Gaps: 0

Percent Similarity: 91.667 Percent Identity: 50.000

## alignment\_block:

US-08-978-217-12 x US-08-484-661A-38 ..

Align seg 1/1 to: US-08-484-661A-38 from: 1 to: 1485

```
1 LysAsnSerSerGlyTrpLysGluGluValLeu 12
:::|||||:|||||:|||||:|||||:|||||
960 AGAATGCGACGGCTGTGAAAGATGTGAACCTCTC 995
```

seq\_name: /cgn2\_6/ptodata/2/lna/6A\_COMB.seq:US-08-656-664-38

## seq\_documentation\_block:

; Sequence 38, Application US/08656664

; Patent No. 6077664

; GENERAL INFORMATION:

; APPLICANT: Slater, Michael R.

; APPLICANT: Huang, Fen

; APPLICANT: Hartnett, James R.

; APPLICANT: Bolchakova, Elena

; APPLICANT: Storts, Douglas R.

; TITLE OF INVENTION: THERMOPHILIC DNA POLYMERASES FROM

; TITLE OF INVENTION: THERMOTOGA NEAPOLITANA

; NUMBER OF SEQUENCES: 57

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Medlen &amp; Carroll

; STREET: 220 Montgomery Street, Suite 2200

; CITY: San Francisco

; STATE: California

; COUNTRY: United States of America

; ZIP: 94104

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/656,664

; FILING DATE: 31-MAY-1996

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: Ingolia, Diane E.

; REGISTRATION NUMBER: 40,027

; REFERENCE/DOCKET NUMBER: PRMG-02185

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (415) 705-8410

; TELEFAX: (415) 397-8338

; INFORMATION FOR SEQ ID NO: 38:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1485 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLOGY: linear

; MOLECULE TYPE: DNA (genomic)

; FEATURE:

; NAME/KEY: CDS

; LOCATION: 1..1482

US-08-656-664-38

## alignment\_scores:

Quality: 42.00 Length: 12

Ratio: 3.818 Gaps: 0

Percent Similarity: 91.667 Percent Identity: 50.000

## alignment\_block:

US-08-978-217-12 x US-08-656-664-38 ..

Align seg 1/1 to: US-08-656-664-38 from: 1 to: 1485

```
1 LysAsnSerSerGlyTrpLysGluGluValLeu 12
:::|||||:|||||:|||||:|||||:|||||
960 AGAATGCGACGGCTGTGAAAGATGTGAACCTCTC 995
```

seq\_name: /cgn2\_6/ptodata/2/lna/PCTUS\_COMB.seq:PCT-US96-09641-38

## seq\_documentation\_block:

; Sequence 38, Application PC/TUS9609641

; GENERAL INFORMATION:

; APPLICANT: Slater, Michael R.

; APPLICANT: Huang, Fen

; APPLICANT: Hartnett, James R.



CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/656,664  
FILING DATE: 31-MAY-1996  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Ingolia, Diane E.  
REGISTRATION NUMBER: 40,027  
REFERENCE/DOCKET NUMBER: PRMG-02185  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 705-8410  
TELEFAX: (415) 397-8338  
INFORMATION FOR SEQ ID NO: 36:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1716 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 1..1713  
US-08-656-664-36

alignment\_scores:  
Quality: 42.00 Length: 12  
Ratio: 3.818 Gaps: 0  
Percent Similarity: 91.667 Percent Identity: 50.000

## alignment\_block:

US-08-978-217-12 x US-08-656-664-36 ..

Align seg 1/1 to: US-08-656-664-36 from: 1 to: 1716

1 LysAsnSerSerGlyTrpLysGluGluValLeu 12  
:::|||||:|||||:|||||:|||||:|||||  
1191 AGAATGCGACGGTTGGAAAGATGTGAACCTCTC 1226

seq\_name: /cgn2.6/prodata/2/lna/PCTUS\_COMB.seq:PCT-US96-09641-36

## seq\_documentation\_block:

; Sequence 36, Application PC/TUS9609641  
; GENERAL INFORMATION:  
; APPLICANT: Slater, Michael R.  
; APPLICANT: Huang, Fen  
; APPLICANT: Hartnett, James R.  
; APPLICANT: Bolchakova, Elena  
; APPLICANT: Storts, Douglas R.  
; APPLICANT: Otto, Paul  
; TITLE OF INVENTION: THERMOPHILIC DNA POLYMERASES FROM  
; TITLE OF INVENTION: THERMOTOGA NEAPOLITANA  
; NUMBER OF SEQUENCES: 57  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Medien & Carroll  
; STREET: 220 Montgomery Street, Suite 2200  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: United States Of America  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US96/09641  
; FILING DATE: 31-MAY-1996  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Ingolia, Diane E.  
; REGISTRATION NUMBER: 40,027  
; REFERENCE/DOCKET NUMBER: PRMG-02185  
; TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 705-8410  
TELEFAX: (415) 397-8338  
INFORMATION FOR SEQ ID NO: 36:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1716 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 1..1713  
PCT-US96-09641-36

alignment\_scores:  
Quality: 42.00 Length: 12  
Ratio: 3.818 Gaps: 0  
Percent Similarity: 91.667 Percent Identity: 50.000

## alignment\_block:

US-08-978-217-12 x PCT-US96-09641-36 ...

Align seg 1/1 to: PCT-US96-09641-36 from: 1 to: 1716

1 LysAsnSerSerGlyTrpLysGluGluValLeu 12  
:::|||||:|||||:|||||:|||||:|||||  
1191 AGAATGCGACGGTTGGAAAGATGTGAACCTCTC 1226



---

